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| FORM PTO-1390<br>OFFICE<br>(Modified)<br><br><b>TRANSMITTAL LETTER TO THE UNITED STATES<br/>         DESIGNATED/ELECTED OFFICE (DO/EO/US)<br/>         CONCERNING A FILING UNDER 35 U.S.C. 371</b>  |  | <b>ATTORNEY'S DOCKET NUMBER</b><br>8947-000122/US<br><hr/> <b>U.S. APPLICATION NO. (If known, see 37 CFR 1.5)</b><br><b>NEW APPLICATION</b><br><hr/> <b>EXPRESS MAIL LABEL NO.</b><br><b>10/521025</b> |  |
| <b>INTERNATIONAL APPLICATION NO.</b><br><br>PCT/KR2003/000516   | <b>INTERNATIONAL FILING DATE</b><br><br>March 17, 2003 | <b>PRIORITY DATE CLAIMED</b><br><br>None   |  |
| <b>TITLE OF INVENTION</b><br>COMPOSITION FOR CUTTING OFF HEAT-RAY, FILM FORMED THEREFORM AND METHOD FOR FORMING THE COMPOSITION AND THE FILM  |  |  |  |
| <b>APPLICANT(S) FOR DO/EO/US</b><br>Hae-Wook LEE, and Jin-Hong PARK   |  |  |  |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:   |  |  |  |
| 1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.<br>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.<br>3. <input checked="" type="checkbox"/> This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39 (1).<br>4. <input checked="" type="checkbox"/> The US has been elected by the expiration of 19 months from the priority date (Article 31).<br>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))<br>a. <input checked="" type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau). <b>WO 2004/083319 A1</b><br>b. <input checked="" type="checkbox"/> has been transmitted by the International Bureau.<br>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).<br>6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).<br>a. <input type="checkbox"/> is transmitted herewith.<br>b. <input checked="" type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4)<br>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)).<br>a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau).<br>b. <input type="checkbox"/> have been transmitted by the International Bureau.<br>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.<br>d. <input checked="" type="checkbox"/> have not been made and will not be made.<br>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).<br>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).<br>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). |  |  |  |
| <b>Items 11. to 20. below concern document(s) or information included:</b>  |  |  |  |
| 11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98-1449, International Search Report (PCT/ISA/210, PCT/IPEA/409)<br>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.<br>13. <input checked="" type="checkbox"/> A <b>FIRST</b> preliminary amendment.<br>14. <input type="checkbox"/> A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment.<br>15. <input type="checkbox"/> A substitute specification.<br>16. <input type="checkbox"/> A change of power of attorney and/or address letter.<br>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821-1.825.<br>18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).<br>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).<br>20. <input checked="" type="checkbox"/> Other items or information:<br>1) PCT Forms (PCT/IB/306 & PCT/IB/308)  |  |  |  |

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| U.S. APPLICATION NO (if known, see 37 CFR 1.5)<br><b>NEW APPLICATION</b> <span style="font-size: 1.5em; font-weight: bold;">10/521025</span> |  | INTERNATIONAL APPLICATION NO<br>PCT/KR2003/000516 |  | ATTORNEY'S DOCKET NUMBER<br>8947-000122/US |  |
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21. ☒ The following fees are submitted:

**PCT FEES – NATIONAL STAGE:**

| Fee Code | Description                         | Fee      |
|----------|-------------------------------------|----------|
| 1631     | Basic National Stage Fee.....       | \$300.00 |
| 1632     | National Stage Search Fee.....      | \$500.00 |
| 1633     | National Stage Examination Fee..... | \$200.00 |

**ENTER APPROPRIATE FEE AMOUNT =**

Surcharge of \$130.00 for furnishing the oath or declaration later than ☐ 20 ☒ 30 Months from the earliest claimed priority date (37 CFR 1.492(e)).

| PAGES       | PAGES FILED | EXTRA PAGES FILED IN 50 PAGE SEGMENTS | RATE     | \$ |      |
|-------------|-------------|---------------------------------------|----------|----|------|
| Total Pages | 31 -100 =   | 0                                     | X 250.00 | \$ | 0.00 |

| CLAIMS                                      | NUMBER FILED | NUMBER EXTRA | RATE       | \$ |        |
|---|--------------|--------------|------------|----|--------|
| Total Claims                                | 36 - 20 =    | 16           | X \$50.00  | \$ | 800.00 |
| Independent Claims                          | 4 - 3 =      | 1            | X \$200.00 | \$ | 200.00 |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable) |              |              | + \$360.00 | \$ |        |

**TOTAL OF ABOVE CALCULATIONS =**

☒ Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.

**SUBTOTAL =**

Processing fee of \$130.00 for furnishing the English translation later than ☐ 20 ☐ 30 Months from the earliest claimed priority date (37 CFR 1.492(f)).

**TOTAL NATIONAL FEE =**

Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +

**TOTAL FEES ENCLOSED =**

|  |               |    |
|--|---------------|----|
|  | Amount to be: | \$ |
|  | refunded      |    |
|  | charged       | \$ |

a. ☒ A check in the amount of **\$1065.00** to cover the above fees is enclosed.

b. ☐ Please charge my Deposit Account. No. 08-0750 in the amount of \$ to cover the above fees.  
A triplicate copy of this sheet is enclosed.

c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 08-0750.

**NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.**

Send all correspondence to:  
**Harness, Dickey & Pierce, P.L.C – Customer No. 30593**  
**Post Office Box 8910**  
**Reston, Virginia 20195**

**Date: January 12, 2005**

JAC/smk

By \_\_\_\_\_  
 John A. Castellano, Reg. No. 35,094